



FACT SHEET



JNTF FACT SHEET 00-008

JNTF Exercise Support

MISSION

Provide direct simulation support, connectivity, technical support and related services to Commander-in-Chiefs (CINCs), Services, and Joint Chiefs of Staff (JCS) supported exercises conducting Theater Air and Missile Defense (TAMD) activities.



JNTF participation in exercises spans all services and CINCs

WHERE WE FIT IN

The Joint National Test Facility (JNTF) exercise team provides integration and coordination of JNTF, BMDO and BMD community assets and capabilities into exercise play worldwide. These capabilities include several areas of support.

The JNTF provides direct simulation support using the Missile Defense Space Tool (MDST). MDST simulates the Theater Event System elements providing

missile warning message sets over operational communications and simulation networks.

The Missile Defense and Space Tool combines the Portable Space Model and the SBIRS Wargaming Model to provide government approved SBIRS representations, DSP detection, and Theater Event System simulation in exercises, analysis, and demonstrations. MDST is currently ported to a high-end stand-alone Silicon Graphics computer. Other available simulations include:

- Wargame 2000 – State of the art National and Theater Missile Defense Wargaming simulation
- EADSIM - Extended Air Defense Simulation - an integrated tool that is strong in air-to-air combat, cruise missile, and anti-ship missile modeling.
- STAGE - Valuable for attack operations (Blue Air).
- COMBAT IV - Combined air-land battle simulation.
- CTAPS - Contingency Theater Automated Planning System.

When possible, exercises are conducted using the Ballistic Missile Defense Network (BMDN) for communication connectivity. JNTF BMDN services include centralized network monitoring, troubleshooting and analysis from the JNTF. Additionally, the JNTF can access several other Department of Defense (DoD) and commercial networks providing a wide range of communications inter-connectivity. When it is not possible to participate using the BMDN, exercise support can be provided on site.

The JNTF also provides Technical Support, Analysis, and Data Collection/Archiving in support of CINC, Service and JCS events.

CAPABILITIES

The JNTF performs various functions for Exercise support:

- Exercise Planning - Meeting and coordination support for exercises
- BMDN Management - Operation, design, troubleshooting, and analysis of the BMDN in support of sponsored distributed exercises.
- Exercise Execution - Distributed simulation operation and support for sponsored exercises.
- Missile Defense Space Tool (MDST) management
- MDST Development to include TIBS/TDDS Formal Testing and HLA Compliance
- Data Collection and Analysis
- Development of follow-on model to incorporate SBIRS systems

STATUS

JNTF participates in a variety of tests and exercises such as:

- ◆ **Prairie Warrior (Army)**
- ◆ **Unified Endeavor (ACOM)**
- ◆ **Union Flash (EUCOM)**
- ◆ **Blue Flag (Air Force)**
- ◆ **Joint Project Optic Cobra (CENTCOM)**
- ◆ **Ulchi Focus Lens (PACOM/USFK)**
- ◆ **JTFEX (ACOM & PACOM)**
- ◆ **Coherent Defense (EUCOM)**
- ◆ **Warrior Flag (PACOM)**
- ◆ **FORSCOM JSTE**
- ◆ **Fort Bliss ADA Brigade Exercises (Army)**
- ◆ **Central Enterprise (NATO)**
- ◆ **Joint Project Optic Windmill (NATO)**
- ◆ **Roving Sands/Joint Project Optic Diamond (FORSCOM/ACOM)**
- ◆ **JFX (Air Force)**

AVAILABILITY

If you would like more information on the capabilities and successes of JNTF Exercise Support, please contact:

Joint National Test Facility

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